

Data File : VX013910.D
Acq On : 10 Dec 2019 19:53
Operator : JC/SP
Sample : K6184-06DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20191202DL

Quant Time: Dec 11 02:30:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	583310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	908562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	790997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	340608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	332540	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	5.50	113	268627	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	8.71	98	1073093	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.14	95	345893	43.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.66%	

Target Compounds

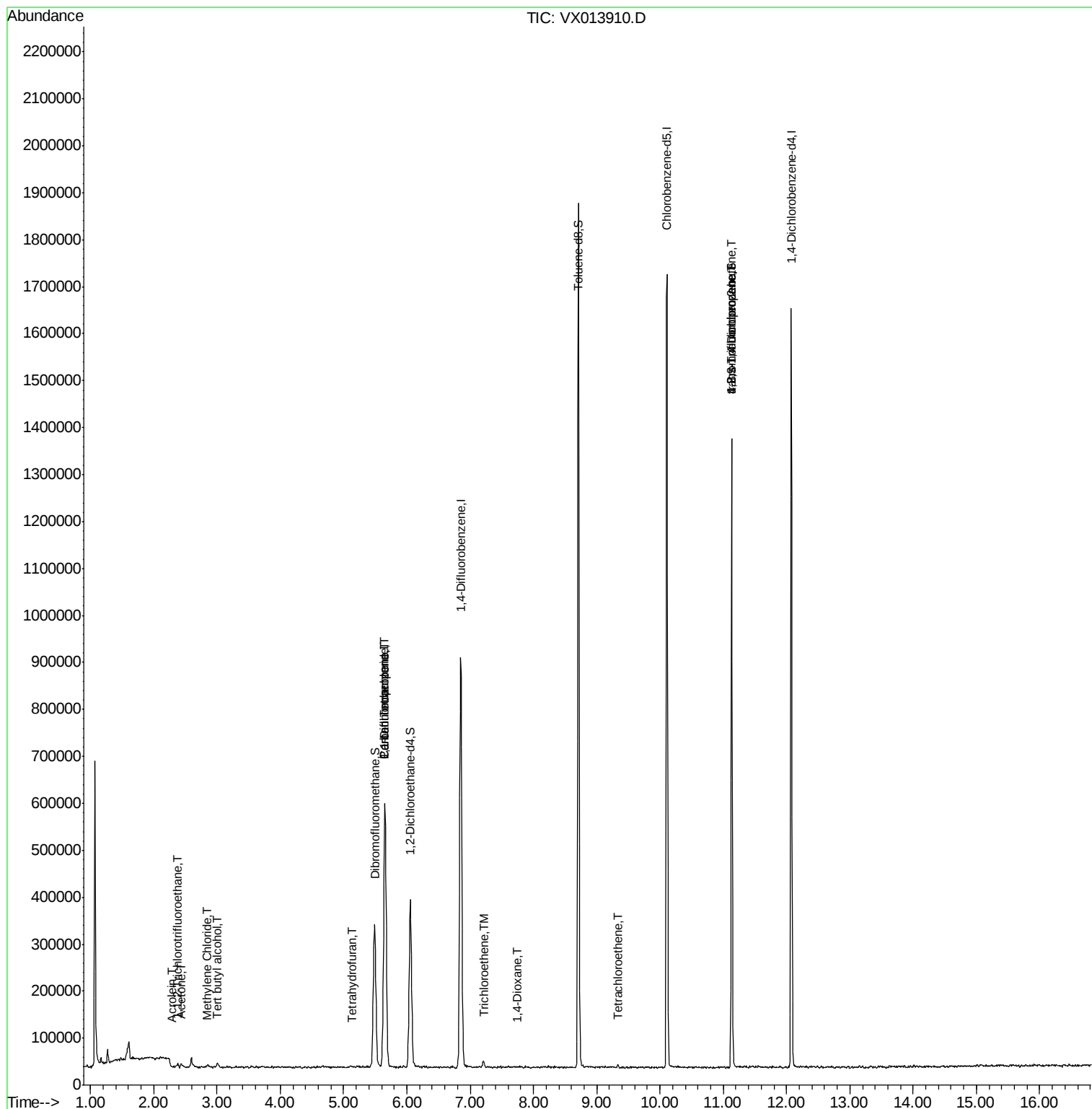
						Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3588	0.645	ug/l #	91
11) Tert butyl alcohol	3.01	59	5980	3.578	ug/l #	89
13) Acrolein	2.30	56	186	6.166	ug/l #	80
16) Acetone	2.44	43	7846	2.347	ug/l	92
20) Methylene Chloride	2.84	84	3547	0.552	ug/l #	78
29) Tetrahydrofuran	5.12	42	1393	0.455	ug/l #	70
36) 1,1-Dichloropropene	5.65	75	38698	4.692	ug/l #	52
38) Carbon Tetrachloride	5.65	117	52473	6.900	ug/l #	16
44) Trichloroethene	7.22	130	5271	0.765	ug/l	87
49) 1,4-Dioxane	7.75	88	244	1.473	ug/l #	32
64) Tetrachloroethene	9.33	164	1328	0.225	ug/l #	78
76) 1,2,3-Trichloropropane	11.14	75	170509	22.257	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	170509	60.892	ug/l #	11

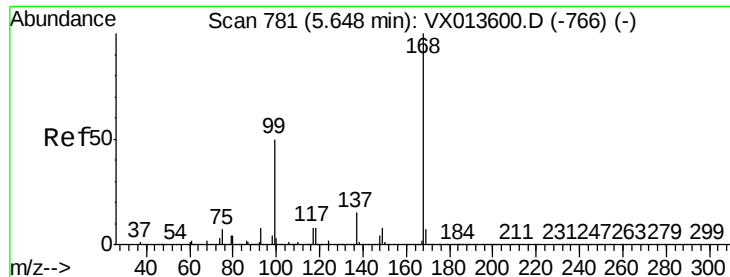
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

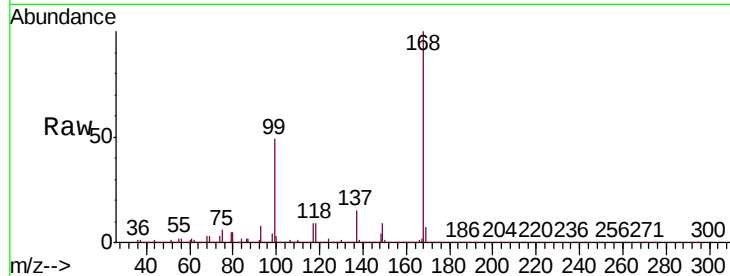
RE134D4-20191202DL

Tgt Ion:168 Resp: 583310

Ion Ratio Lower Upper

168 100

99 49.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

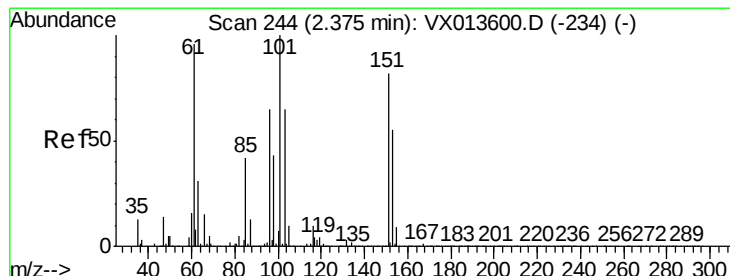
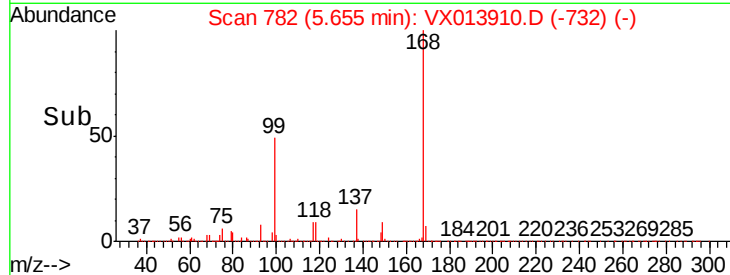
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.645 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

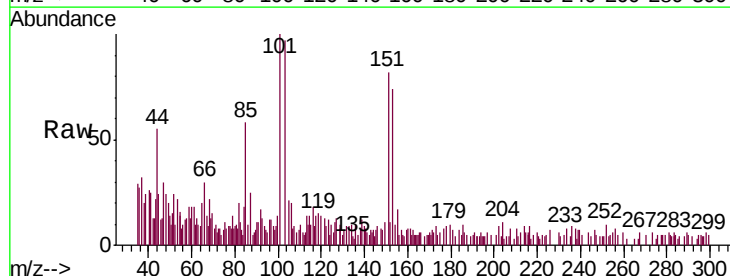
Tgt Ion:101 Resp: 3588

Ion Ratio Lower Upper

101 100

85 51.9 33.9 50.9#

151 85.0 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2000

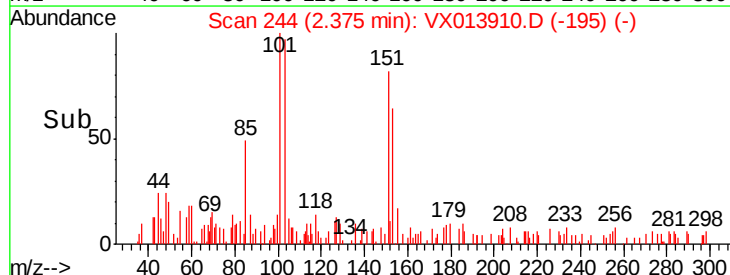
1500

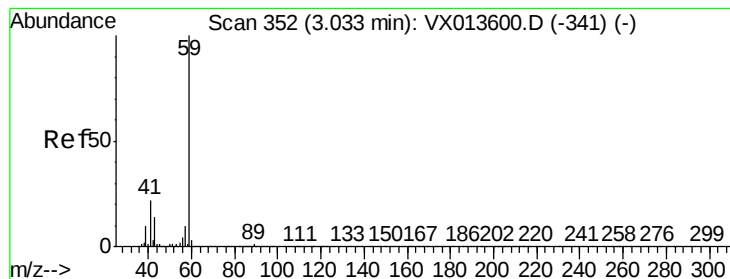
1000

500

0

Time-->



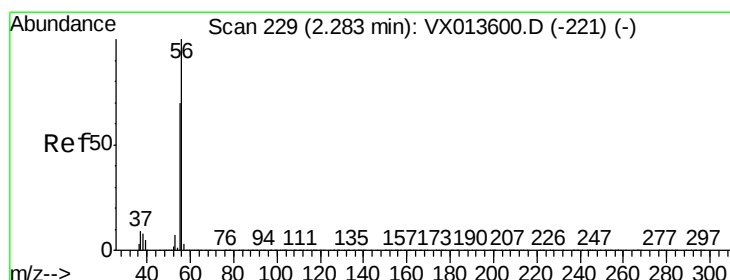
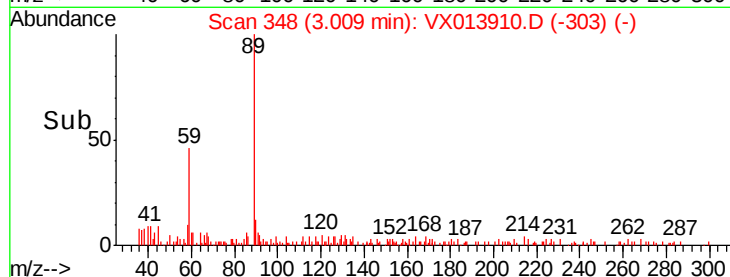
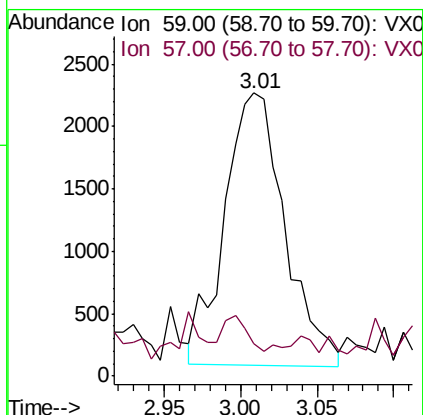
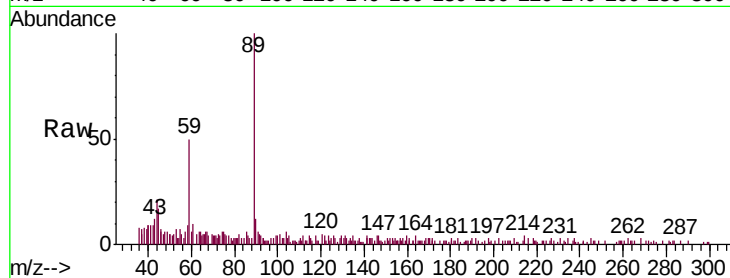


#11

Tert butyl alcohol
Concen: 3.578 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013910.D
Acq: 10 Dec 2019 19:53

Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20191202DL

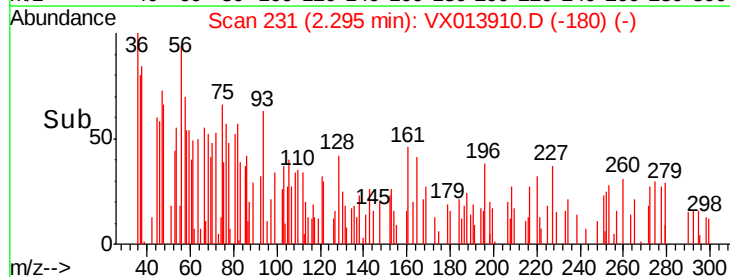
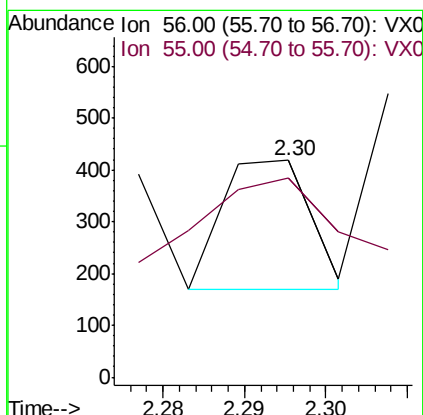
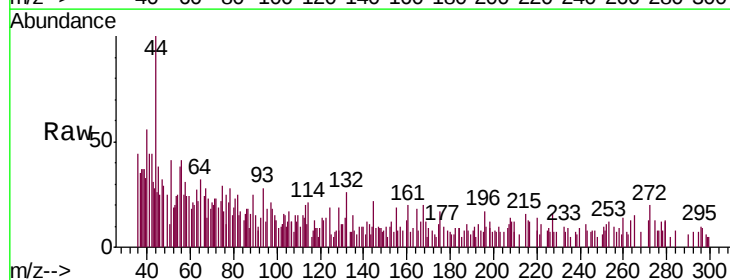
Tgt Ion: 59 Resp: 5980
Ion Ratio Lower Upper
59 100
57 5.7 7.8 11.6#

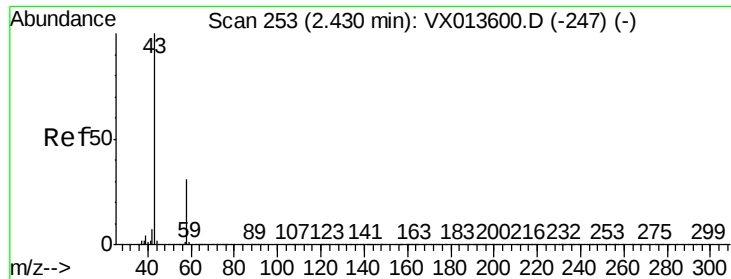


#13

Acrolein
Concen: 6.166 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013910.D
Acq: 10 Dec 2019 19:53

Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 87.1 56.2 84.4#





#16

Acetone

Concen: 2.347 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

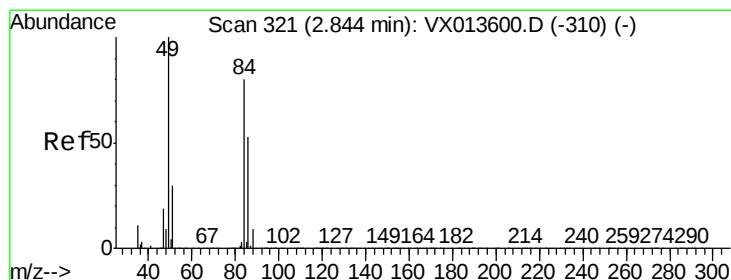
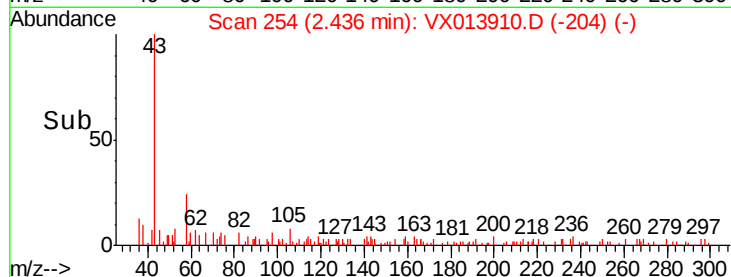
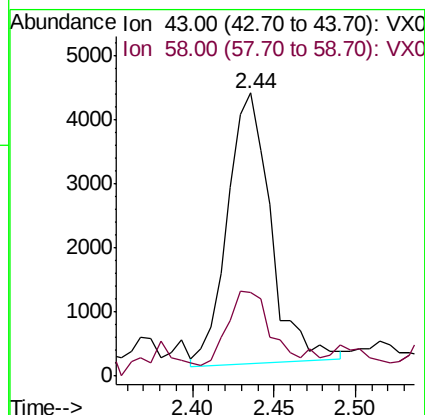
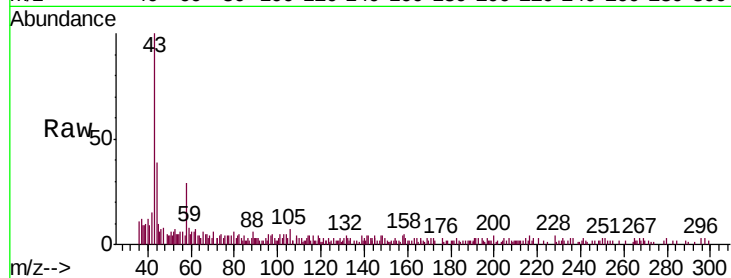
RE134D4-20191202DL

Tgt Ion: 43 Resp: 7846

Ion Ratio Lower Upper

43 100

58 26.1 24.6 36.8



#20

Methylene Chloride

Concen: 0.552 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

Tgt Ion: 84 Resp: 3547

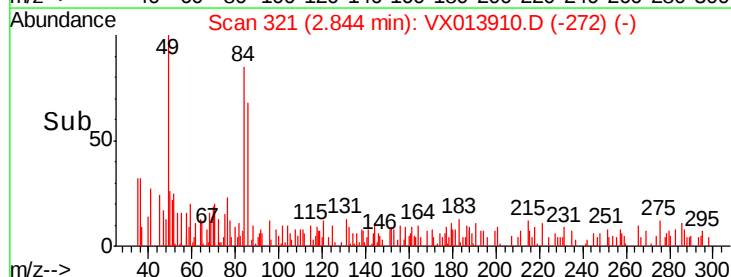
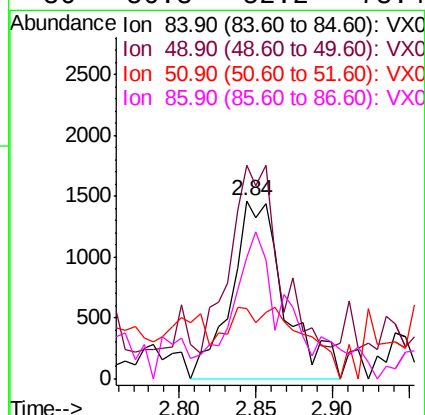
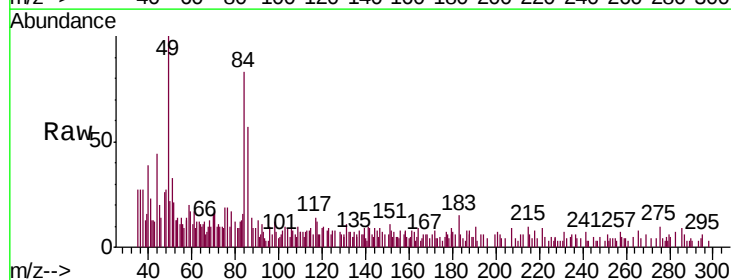
Ion Ratio Lower Upper

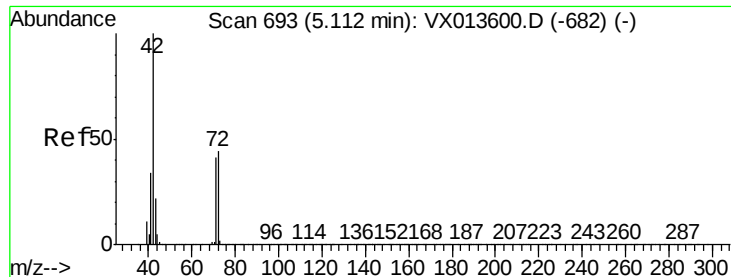
84 100

49 100.3 99.7 149.5

51 65.2 29.9 44.9#

86 56.8 52.2 78.4





#29

Tetrahydrofuran

Concen: 0.455 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20191202DL

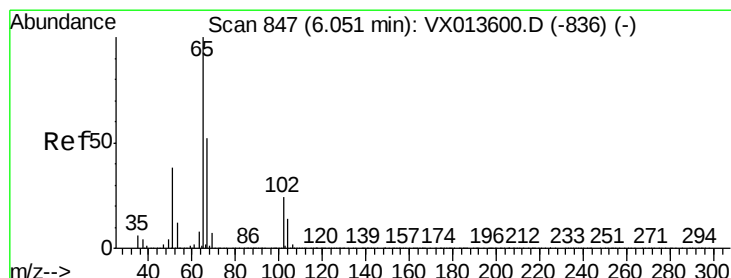
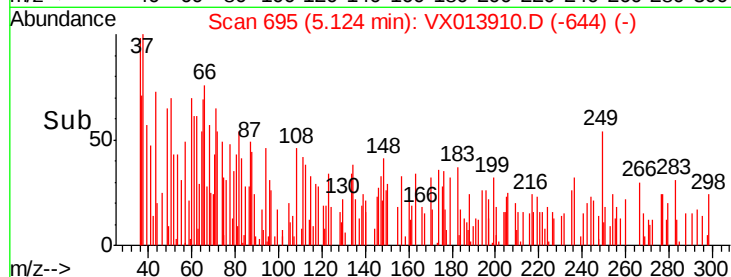
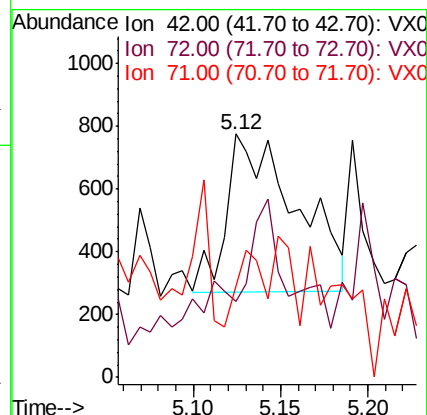
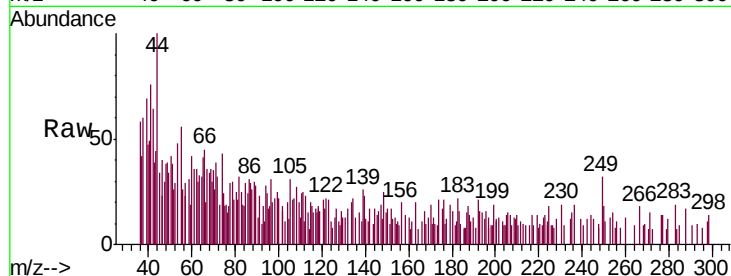
Tgt Ion: 42 Resp: 1393

Ion Ratio Lower Upper

42 100

72 60.8 36.3 54.5#

71 17.6 33.2 49.8#



#33

1,2-Dichloroethane-d4

Concen: 49.113 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013910.D

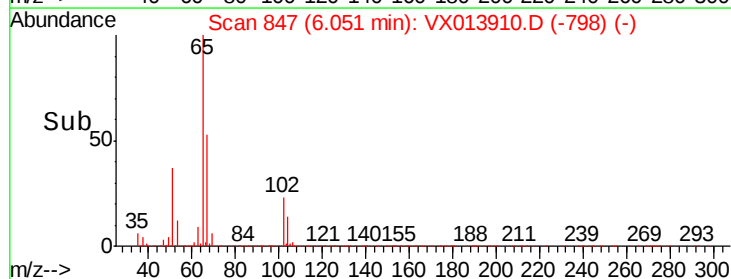
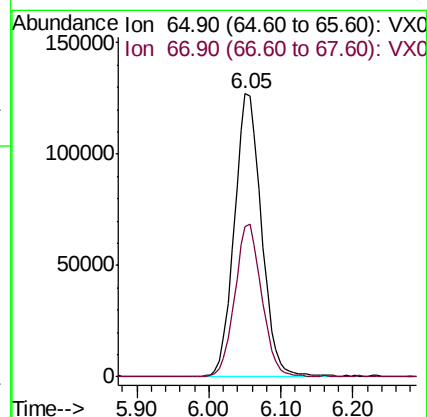
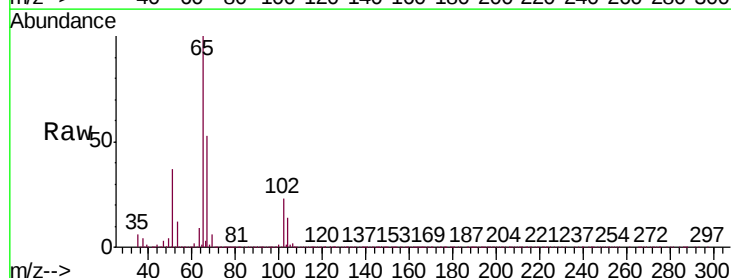
Acq: 10 Dec 2019 19:53

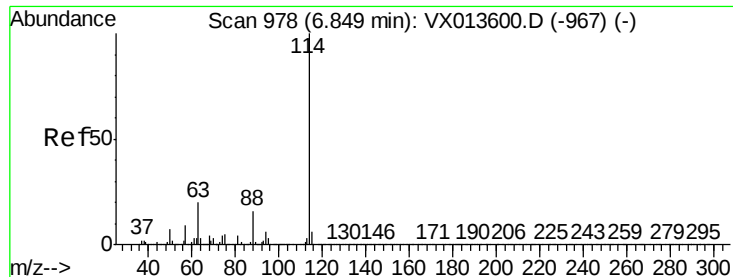
Tgt Ion: 65 Resp: 332540

Ion Ratio Lower Upper

65 100

67 53.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

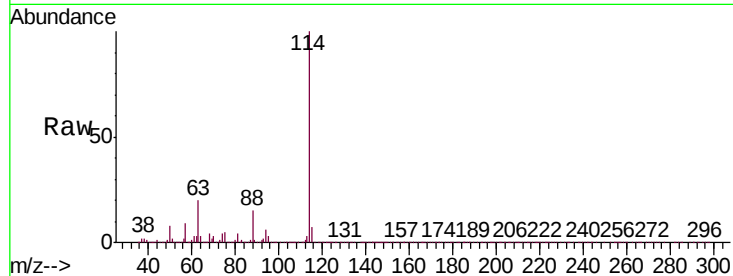
Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20191202DL

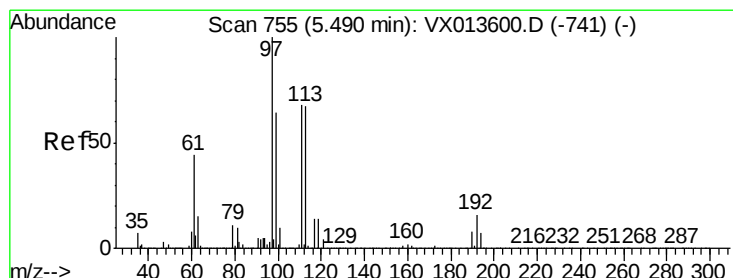
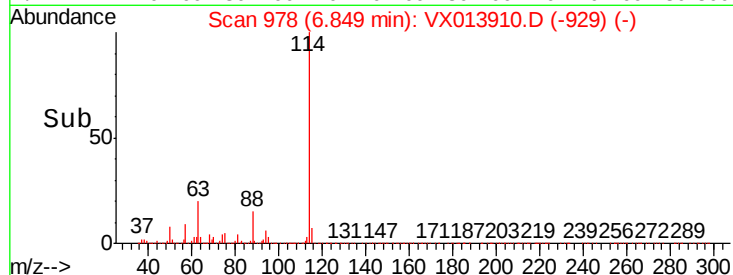
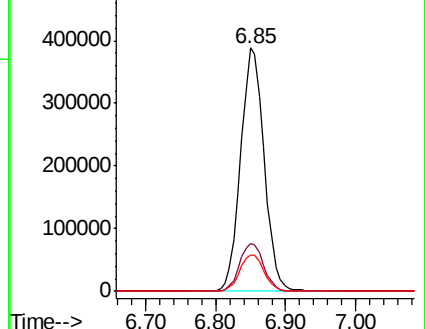
Tgt Ion:	114	Resp:	908562
Ion Ratio	Lower	Upper	
114	100		
63	19.6	0.0	39.6
88	15.1	0.0	31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.825 ug/l

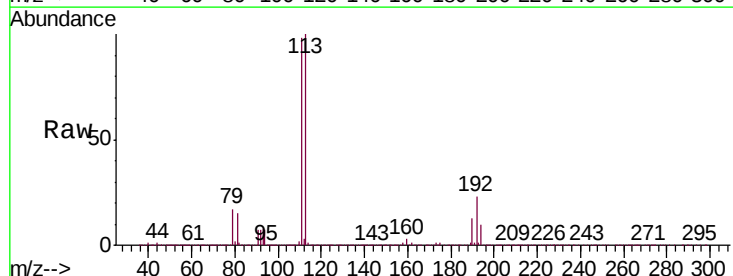
RT: 5.50 min Scan# 756

Delta R.T. 0.01 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

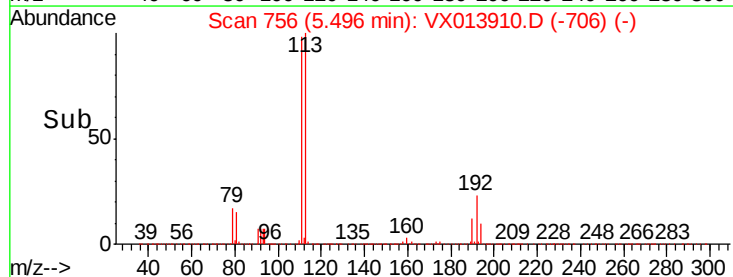
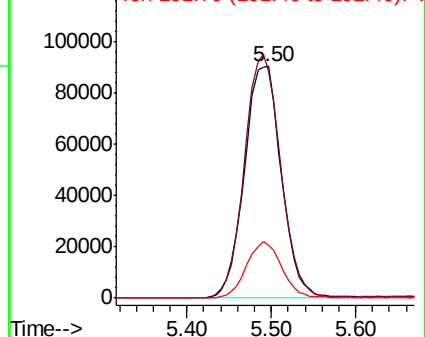
Tgt Ion:	113	Resp:	268627
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.6	125.4
192	23.7	19.2	28.8

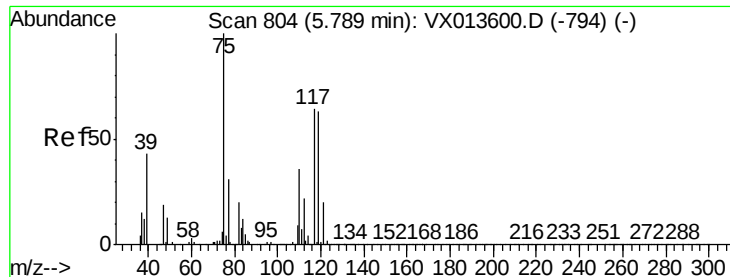


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.692 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20191202DL

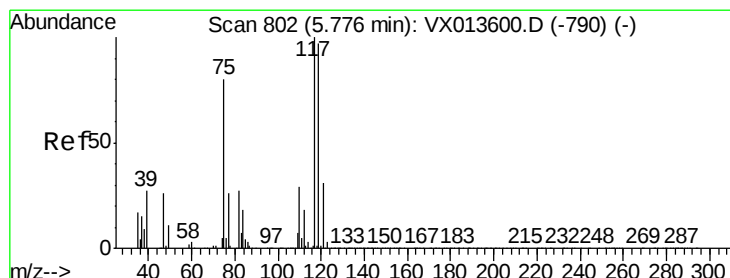
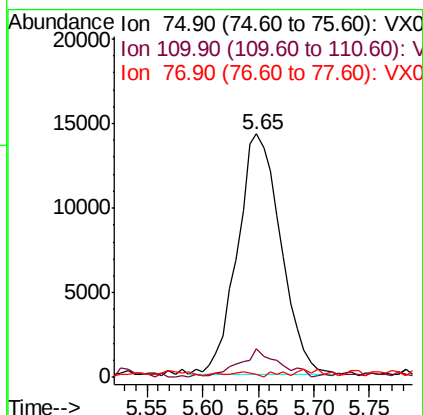
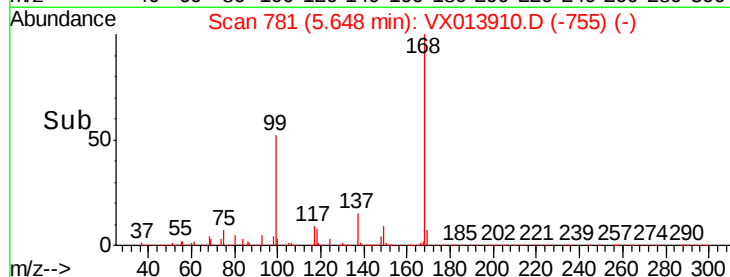
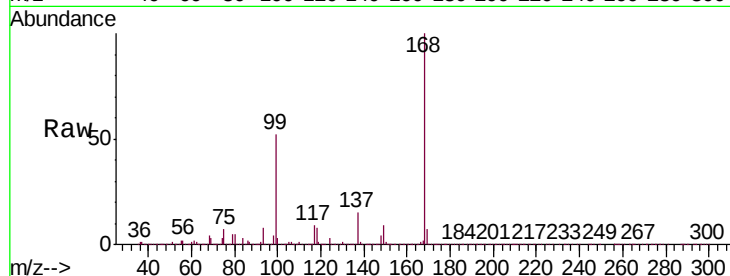
Tgt Ion: 75 Resp: 38698

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.1#

77 1.1 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.900 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

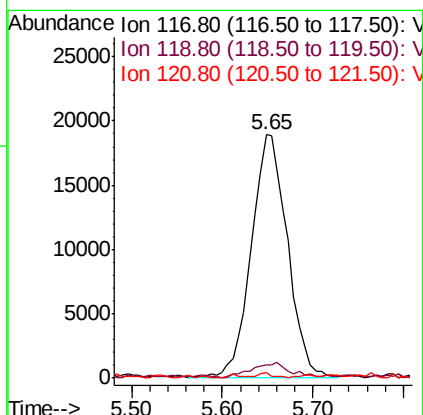
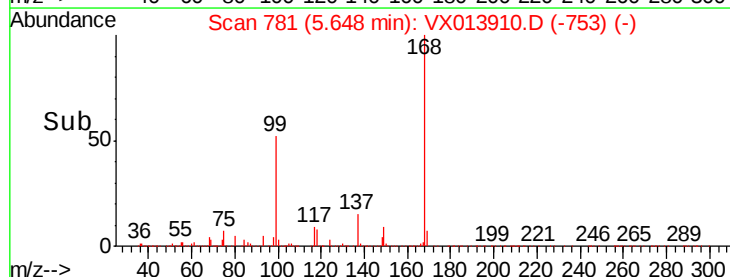
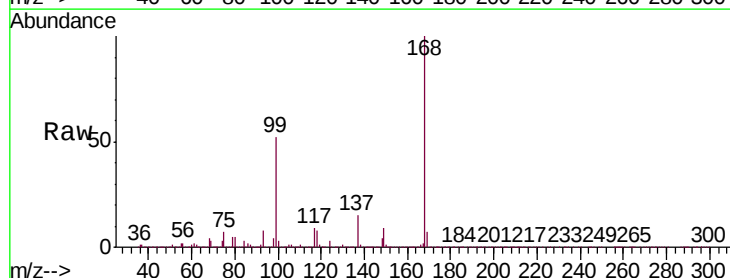
Tgt Ion: 117 Resp: 52473

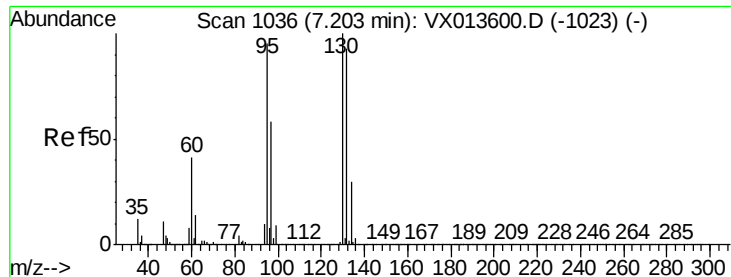
Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

121 1.4 25.0 37.6#





#44

Trichloroethene

Concen: 0.765 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

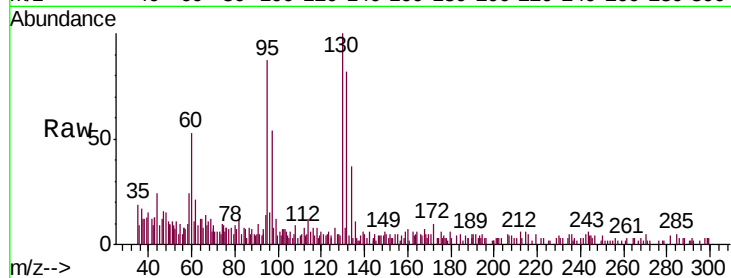
RE134D4-20191202DL

Tgt Ion:130 Resp: 5271

Ion Ratio Lower Upper

130 100

95 83.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

3000

2500

2000

1500

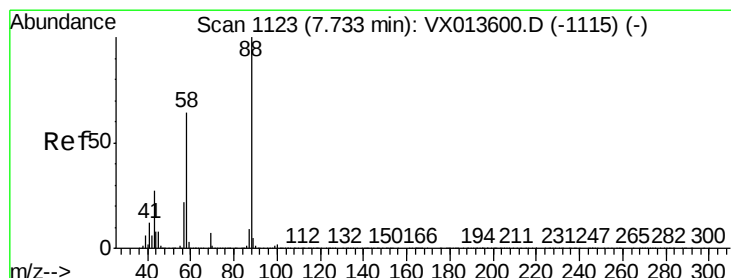
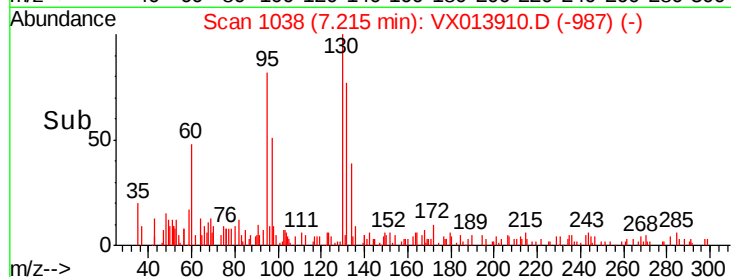
1000

500

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 1.473 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

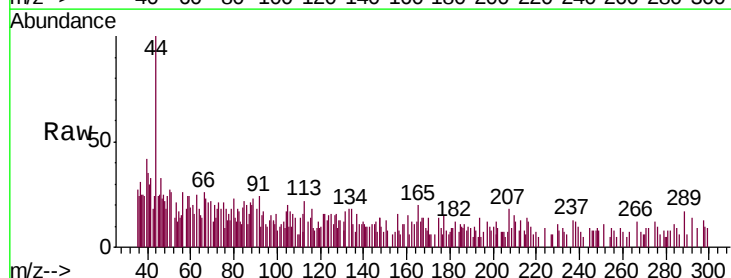
Tgt Ion: 88 Resp: 244

Ion Ratio Lower Upper

88 100

43 127.9 25.8 38.6#

58 84.4 54.6 82.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800

600

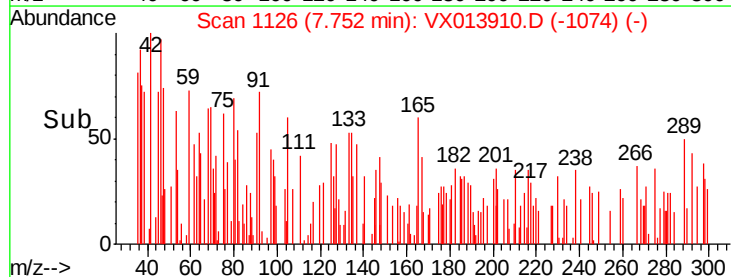
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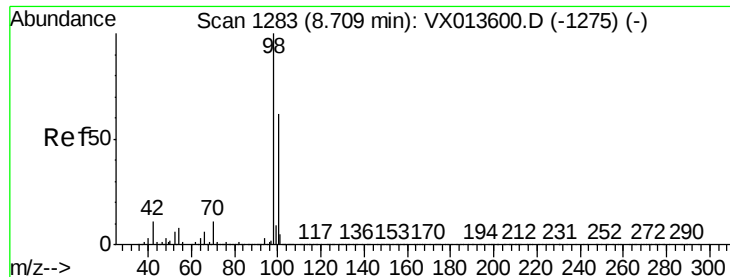
200

0

7.72 7.74 7.76 7.78

Time-->





#50

Toluene-d8

Concen: 49.036 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

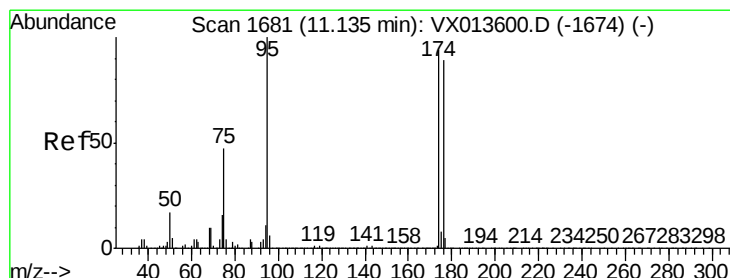
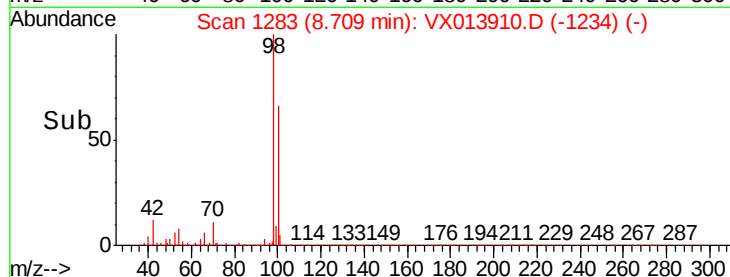
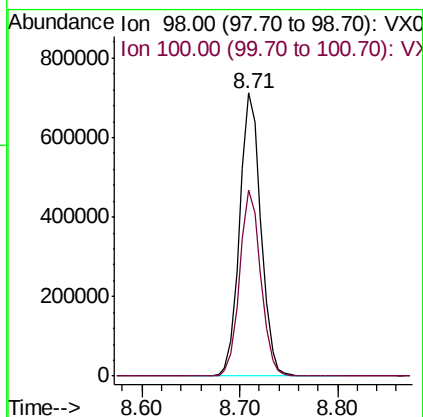
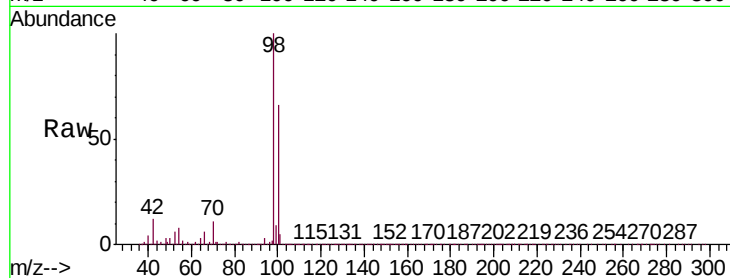
RE134D4-20191202DL

Tgt Ion: 98 Resp: 1073093

Ion Ratio Lower Upper

98 100

100 65.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 43.832 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

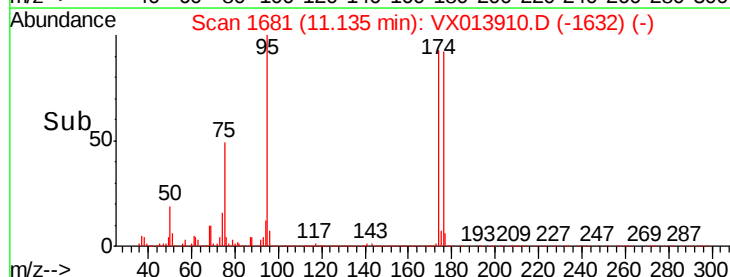
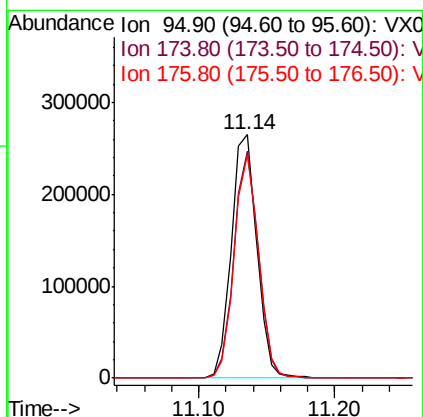
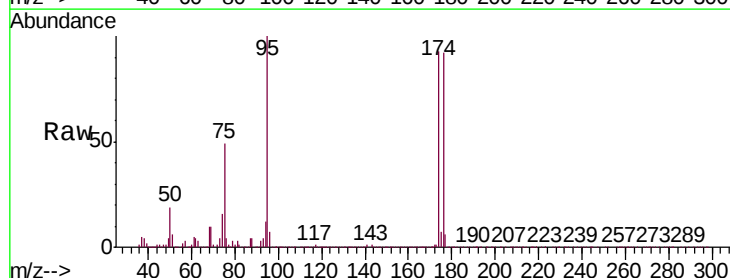
Tgt Ion: 95 Resp: 345893

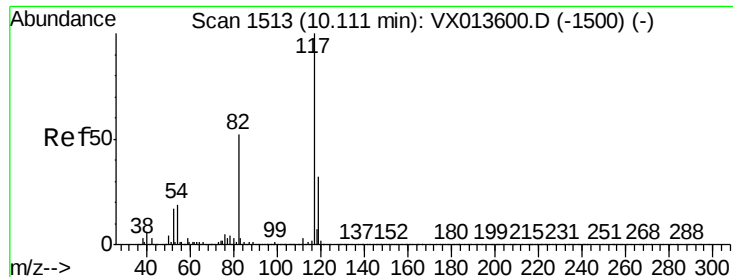
Ion Ratio Lower Upper

95 100

174 90.0 0.0 180.0

176 88.0 0.0 173.6

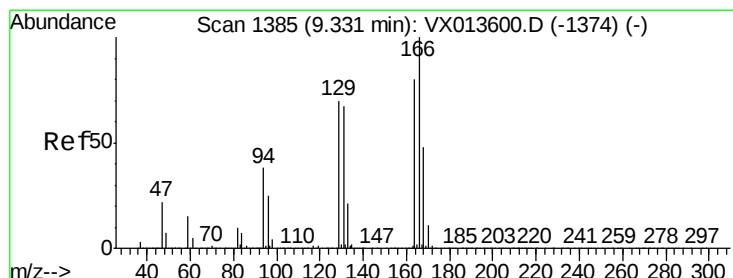
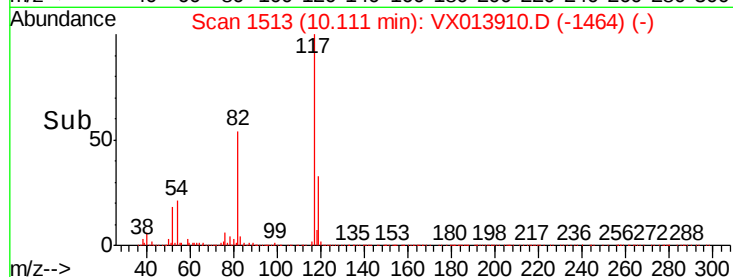
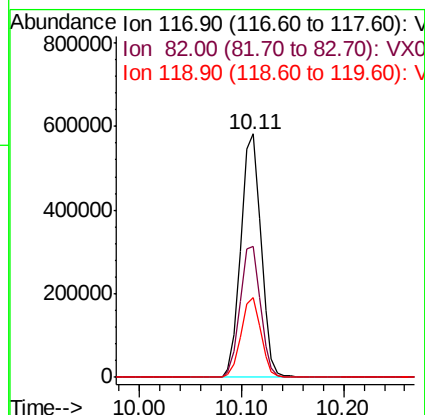
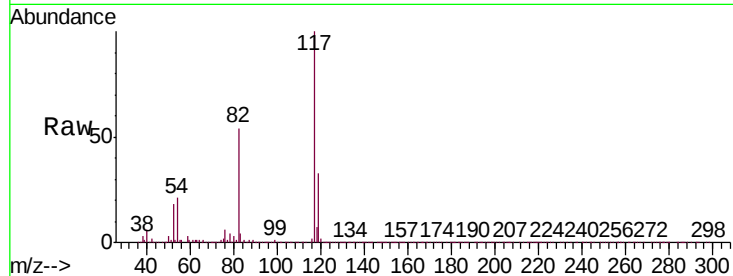




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013910.D
Acq: 10 Dec 2019 19:53

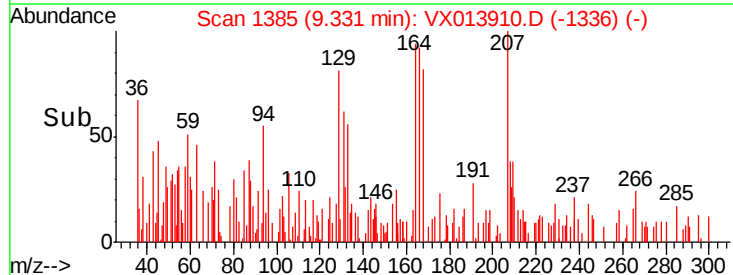
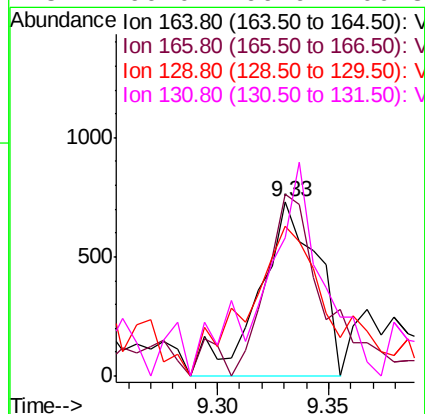
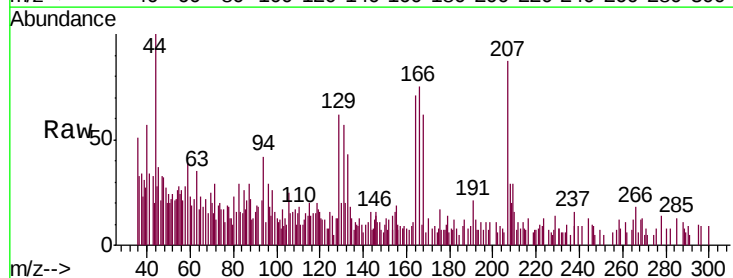
Instrument :
MSVOA_X
ClientSampleId :
RE134D4-20191202DL

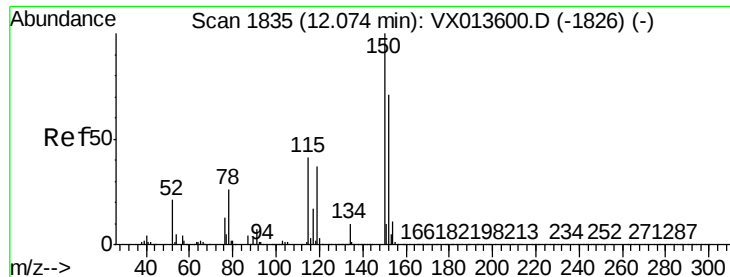
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	41.8	62.8
119	32.8	25.8	38.8



#64
Tetrachloroethene
Concen: 0.225 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013910.D
Acq: 10 Dec 2019 19:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	104.4	99.7	149.5
129	60.0	70.1	105.1#
131	66.0	66.9	100.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20191202DL

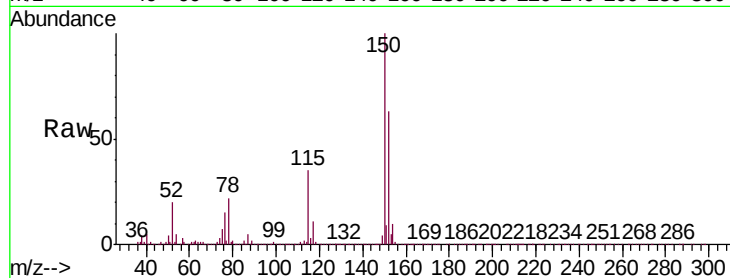
Tgt Ion:152 Resp: 340608

Ion Ratio Lower Upper

152 100

115 54.4 38.4 115.1

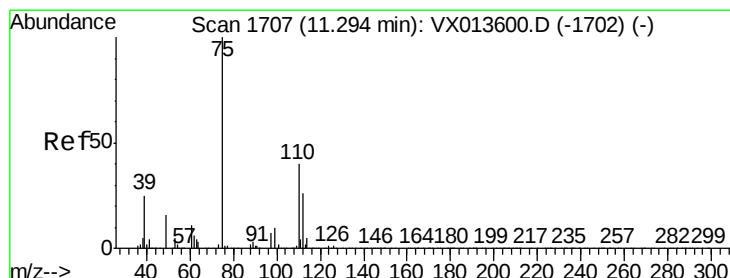
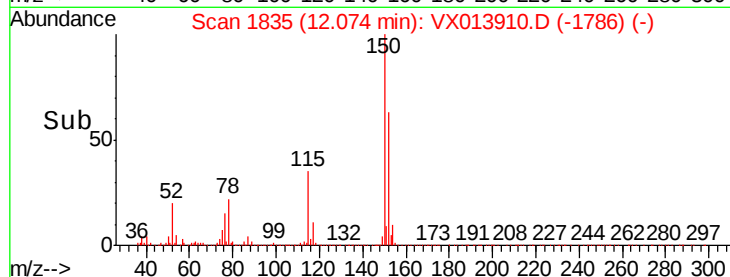
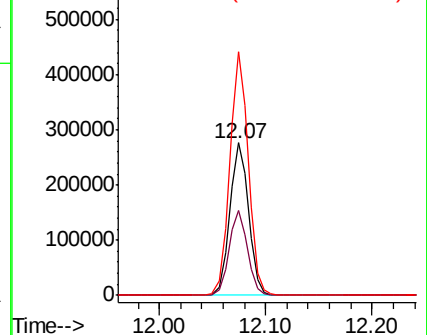
150 157.5 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.257 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013910.D

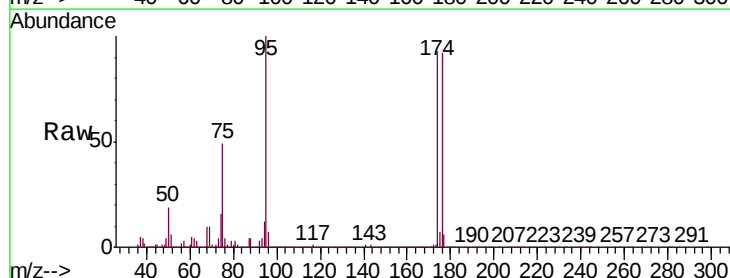
Acq: 10 Dec 2019 19:53

Tgt Ion: 75 Resp: 170509

Ion Ratio Lower Upper

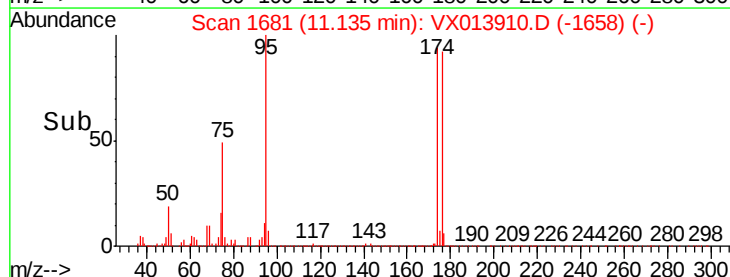
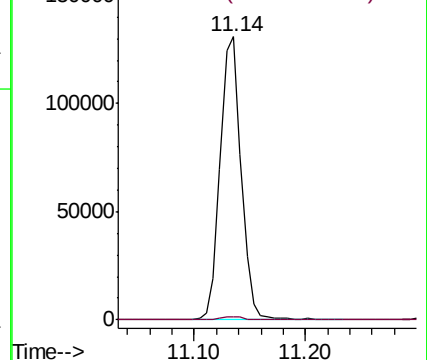
75 100

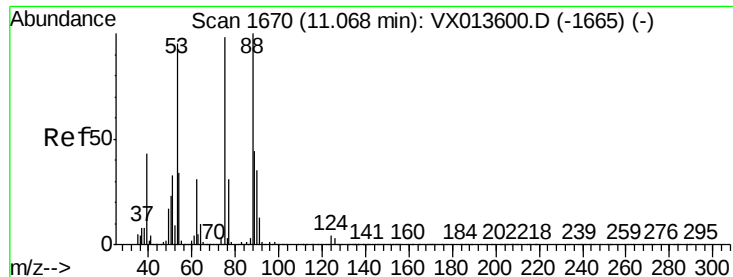
77 1.4 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.892 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013910.D

Acq: 10 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

RE134D4-20191202DL

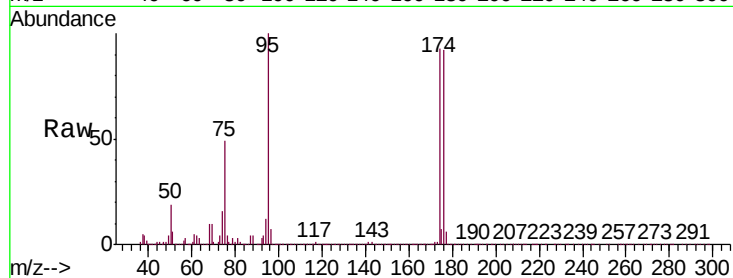
Tgt Ion: 75 Resp: 170509

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.1 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

